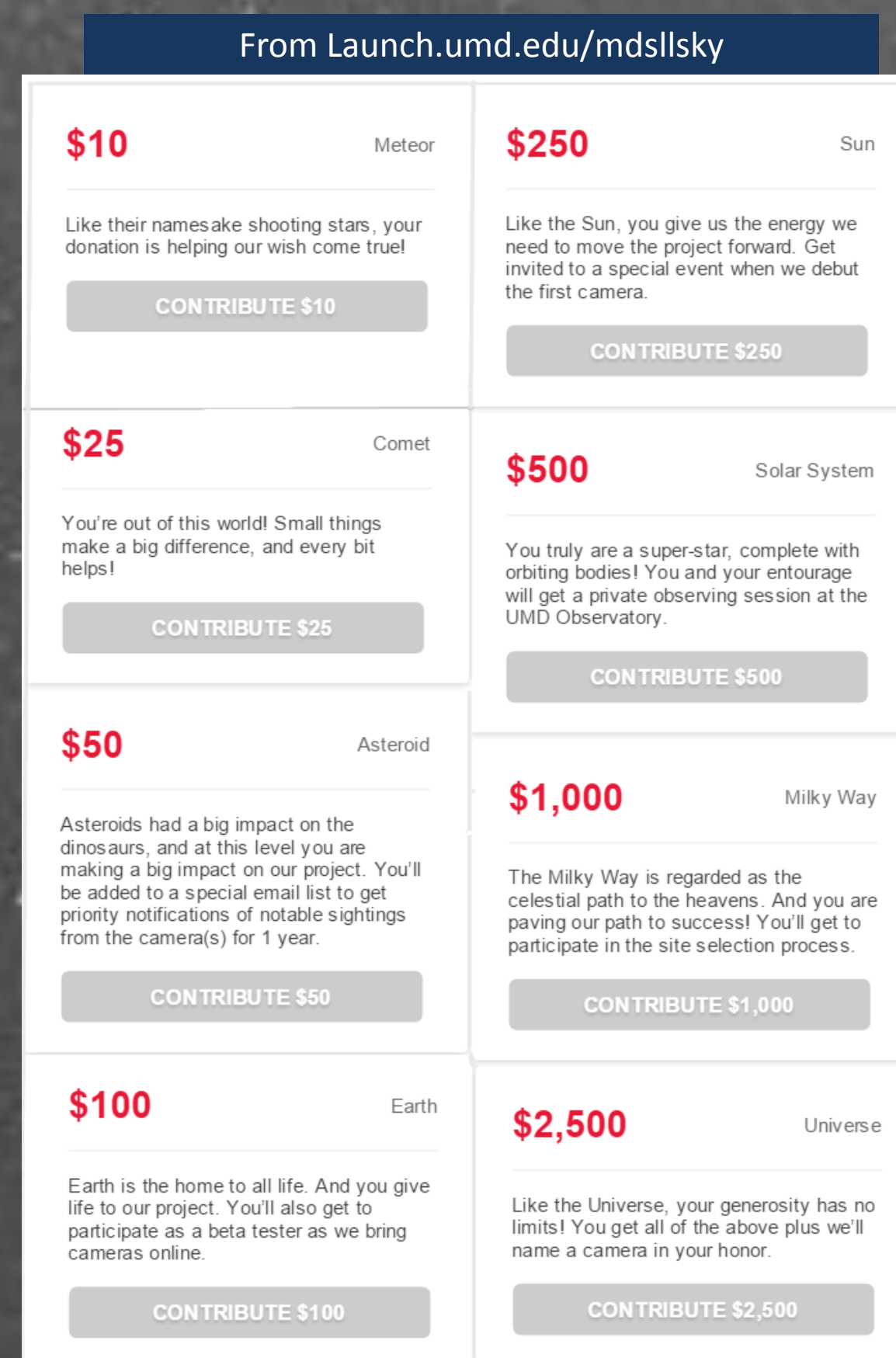# Building the Maryland All-Sky Network

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Computer Science

What is an all-sky camera?

- An all-sky camera is a camera with a wide angle lens with a 180 degree field of vision that allows for large amounts of the sky to be monitored 24 hours a day.

- What's particularly unique to the all-sky camera is that it's feed will be available to the general public.

- Able to be useful to serious and professional astronomers but still interesting to amateurs and enthusiasts.

- All-sky cameras are particularly useful in the observation of meteors (aka shooting stars) as having multiple cameras with an overlapping field of vision allows for useful data to be attained.

- All-sky cameras require little maintenance and as long as the electronics with it are water-proof they are able to work unattended 24 hours a day, 7 days a week in an outdoor environment.

- The images can be used to make time-lapse video allowing for the sky to be observed in real time

http://www.sxccd.com/oculus-all-sky-camera

From Launch.umd.edu/mdsllsky

$10 Meteor
Like their namesake shooting stars, your donation is helping our wish come true!
CONTRIBUTE $10

$25 Comet
You're out of this world! Small things make a big difference, and every bit helps!
CONTRIBUTE $25

$50 Asteroid
Asteroids had a big impact on the dinosaurs, and at this level you are making a big impact on our project. You'll be added to a special email list to get priority notifications of notable sightings from the camera(s) for 1 year.
CONTRIBUTE $50

$100 Earth
Earth is the home to all life. And you give life to our project. You'll also get to participate as a beta tester as we bring cameras online.
CONTRIBUTE $100

$250 Sun
Like the Sun, you give us the energy we need to move the project forward. Get invited to a special event when we debut the first camera.
CONTRIBUTE $250

$500 Solar System
You truly are a super-star, complete with orbiting bodies! You and your entourage will get a private observing session at the UMD Observatory.
CONTRIBUTE $500

$1,000 Milky Way
The Milky Way is regarded as the celestial path to the heavens. And you are paving our path to success! You'll get to participate in the site selection process.
CONTRIBUTE $1,000

$2,500 Universe
Like the Universe, your generosity has no limits! You get all of the above plus we'll name a camera in your honor.
CONTRIBUTE $2,500

Flier distributed to garner support

Build the Maryland All-Sky Camera Network
ter.ps/mdallsky   #MDallsky
- www.facebook.com/UMObservatory   @UM_Obs
- www.facebook.com/GRADMAP   @gradmap
Thank you & Clear Skies!
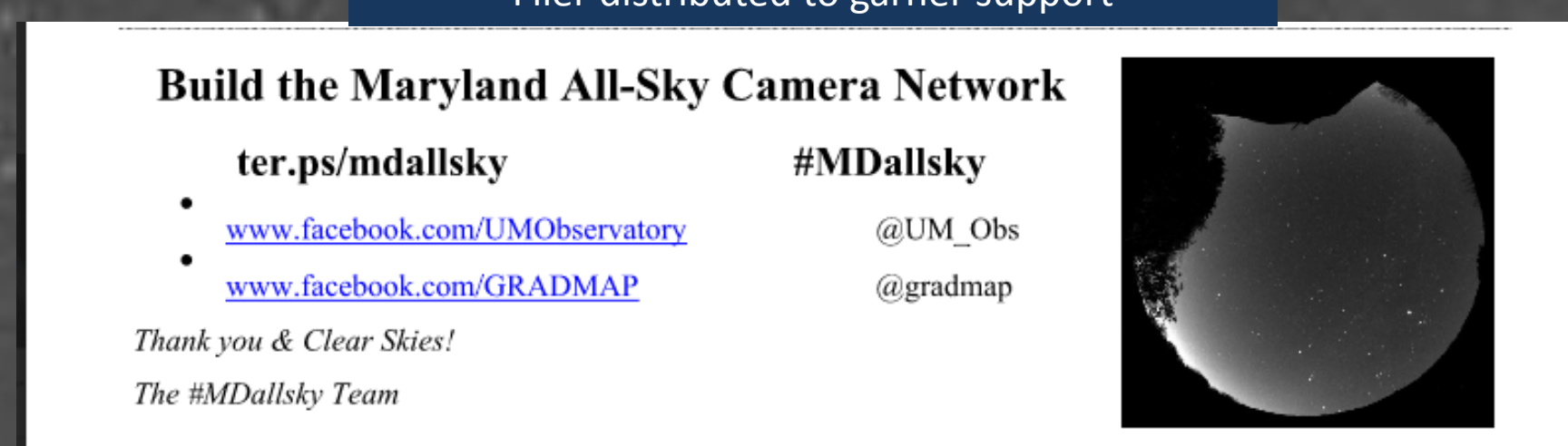*The #MDallsky Team*

Project Results

Goal: $5000

Result: $8745

- Worked with UMD Observatory and GRAD-MAP (Graduate Resources Advancing Diversity with Maryland Astronomy and Physics.

- We ran this project with the help of Launch UMD, a school-run crowdfunding platform that allows for the Maryland community to get their projects going

- Able to purchase 3 cameras and computer systems outright with the potential to get a 4th.

- Will use computer systems to act as servers and for storage.

- Cameras will be set up at UMD Observatory, Montgomery College, and one or two other undetermined locations.

- Cameras are yet to be purchased, but once they have been, they will be available for public viewing online.

What I did

- Assisted on many of the requirement Launch UMD had in order to properly exhibit our project.

- Helped create a video used to promote the project

- Assisted in the production and distribution of flier.

- Drafted and revised emails to potential donors.

- Created certificates of appreciation for each donor.

- Generally assisted the project leader Elizabeth Warner.

Image taken from video I helped produce

Proposal: Build the Maryland All-Sky Network!

Mentor information:
Elizabeth Warner
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Photo credit: http://www.alcor-system.com/us/AllSkyCamera/TYTEA_cameras.html